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**MULTIPLE DISCHARGE LOAD ELECTRONIC BALLAST
SYSTEM**

ABSTRACT OF THE DISCLOSURE

An embodiment of the present invention pertains to
5 a multiple discharge load electronic ballast system,
including a distribution bus and a plurality of
electronic ballasts. The distribution bus has a
nominal distribution power rating. The plurality of
10 electronic ballasts are operatively coupled to the
distribution bus. A respective electronic ballast
comprises adaptations for DC voltage control and an
alternating current (AC) output, and has a maximum
ballast power rating. A sum of the maximum ballast
15 power ratings of the plurality of electronic ballasts
is greater than the nominal distribution power rating
of the distribution bus.